
Jogurt - Štetje značilnih mikroorganizmov - Tehnika štetja kolonij (ISO 7889:2026)

Yoghurt - Enumeration of characteristic microorganisms - Colony-count technique (ISO 7889:2026)

Joghurt - Auszählung charakteristischer Mikroorganismen - Koloniezählverfahren (ISO 7889:2026)

Yaourt - Dénombrement des micro-organismes caractéristiques - Technique de comptage des colonies (ISO 7889:2026)

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International Standard

ISO 7889

IDF 117

Yoghurt — Enumeration of characteristic microorganisms — Colony-count technique

*Yaourt — Dénombrement des micro-organismes caractéristiques
— Technique de comptage des colonies*

**Second edition
2026-01**

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11

Email: copyright@iso.org
Website: www.iso.org

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International Dairy Federation
Silver Building • Bd Auguste Reyers 70/B
B-1030 Brussels
Phone: +32 2 325 67 40
Fax: +32 2 325 67 41
Email: info@fil-idf.org
Website: www.fil-idf.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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This document was prepared by Technical Committee ISO/TC 34, *Food products*, Subcommittee SC 5, *Milk and milk products*, and the International Dairy Federation (IDF). It is being published jointly by ISO and IDF.

This second edition cancels and replaces the first edition (ISO 7889 | IDF 117:2003), which has been technically revised.

The main changes are as follows:

- The culture medium M17 has been amended: lactose is replaced by sucrose to (also) enumerate lactose-negative strains of *S. thermophilus*.
- The concentration β -glycerophosphate, the main selective agent of M17 culture medium and a powerful buffer,^{[14][15]} is lowered from 1,9 % to 1 %. This reduction improved the size and morphology of *S. thermophilus* colonies during pilot studies and can improve the productivity.^[10]
- For better performance, microaerobic incubation of M17-S has been changed to mandatory.
- Spread plates have been added to the method as alternative for pour plates.
- Performance characteristics, with the results of an interlaboratory study, which are based on the method of this second edition have been included as [Annex C](#).

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IDF (the International Dairy Federation) is a non-profit private sector organization representing the interests of various stakeholders in dairying at the global level. IDF members are organized in National Committees, which are national associations composed of representatives of dairy-related national interest groups including dairy farmers, dairy processing industry, dairy suppliers, academics and governments/food control authorities.

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The work was carried out by the IDF/ISO Action Team (D14) of the *Standing Committee on Methods for Dairy Microbiology* under the aegis of its project leader Arnold F. Dijkstra (NL).

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